

Abstract

A method and a device for reconstructing data, clocked at a symbol rate, from a signal which has been distorted by transmission of a transmission link, are disclosed. The method or respectively, the device, being predominantly performed or implemented, respectively, by means of digital circuit technology in order to improve the quality of the data recovery. The method comprises amplifying the signal amplitude attenuated by the transmission; filtering high-frequency interference frequencies above the symbol rate; discretizing the analog signal by means of an analog/digital converter (3); performing a cable approximation by means of a digitally implemented cable approximation filter (7) in order to obtain an equalized signal; and recovering the data from the equalized signal by means of a phase-locked loop (20).